

History of Computers Assignment

Name: _____

Due date: _____

Virtual Tour

- Go to: <http://www.computerhistory.org/exhibits/revolution/>
- Click **Revolution Virtual Tour**
- [Optional] You can download the app to your smartphone for easy listening.

Questions

Answer the following questions about the virtual tour. The questions are asked in the order they appear during the tour. This assignment is worth 100 points, 2 points per question. To earn points, I must be able to read your writing.

Stop 1: Calculators: Abacus

1. Who won a competition between an abacus and a calculator? Abacus or Calculator? And what year did this take place?

Stop 2: Calculators: Antikythera

2. What was the Antikythera system used for?

Stop 3: Punch Cards: Hollerith

3. What event was the Hollerith computer created for?
4. What company was created as a result of Hollerith's patents?

Stop 4: Nordsieck Differential Analyzer

5. What does the Nordsieck produce?

Stop 5: Birth of the Computer: ENIAC

6. What does ENIAC stand for?
7. What was ENIAC built to do?

Stop 6: Early Computer Companies: UNIVAC

8. What company or institution was the UNIVAC originally developed for?
9. What presidential election did UNIVAC correctly predict? Who was the president or what year?

Stop 7: Real Time Computing: SAGE

10. What does SAGE stand for?
11. What is built into the computer console that is very unusual?

Stop 8: Real Time Computing: Norden Bombsight

12. What was built into the bombsight to prevent it from falling into the hands of enemies?

Stop 9: Mainframes: IBM 360

13. What is the name of the project manager for OS/360?

14. Adding manpower to a late project does what?

Stop 10: Memory & Storage: RAMAC

15. What does RAMAC stand for?

16. Before disk drives, how did computers store information?

Stop 11: Memory & Storage: Core Memory

17. What is the name of the first computer to use core memory?

18. What replaced core memory?

Stop 12: Supercomputers: Cray-1

19. Who is considered the father of the supercomputer?

Stop 13: Minicomputers: PDP-8

20. About how many PDP-8s were sold?

Stop 14: Minicomputers: Kitchen Computer

21. What was the kitchen computer intended to store?

22. How many kitchen computers were built?

Stop 15: Digital Logic: Moore's Law

23. What is the name of the company Gordon Moore was working for in 1965?

24. How do you cause current to flow through a semiconductor?

Stop 16: Digital Logic: Walker's Wagon Wheel

25. What is the name of the crystal that helps create the silicon ingots?

Stop 17: Artificial Intelligence: Shakey

26. What is the name of the algorithm used by some video games that is still in use today?

Stop 18: Computer Graphics, Music & Art: Utah Teapot

27. What university had the first computer graphics program(degree) in the country?

28. Where in Windows 95 could you find the 'teapot'?

Stop 19: Computer Graphics, Music & Art: Pixar Computer

- 29. What company started Pixar?

- 30. What movie was the first full-length computer generated feature film?

Stop 20: Input & Output: Xerox Alto

- 31. What workstation first used a mouse, icons, and menus?

- 32. What is the name of the programming language developed for this new computer?

Stop 21: Input & Output: Engelbart Mouse

- 33. What company developed the optical mouse?

Stop 22: Computer Games: Pong

- 34. Who invented Pong?

- 35. What is the game cartridge in the Coleco Vision system?

Stop 23: Computer Games: Brown Box

- 36. What commercial computer console was based on the "Brown Box"?

Stop 24: Personal Computers: Apple I

- 37. Who launched Apple computer company in their garage?

- 38. When the Apple I was released, what was the street address of the Apple Computer Company?

Stop 25: Personal Computers: Apple II

- 39. What year was the Apple II computer released?

Stop 26: Personal Computers: IBM PC

- 40. What year was the IBM PC announced?

- 41. What software was the first choice for the operating system for the IBM PC?

Stop 27: Mobile Computing: PalmPilot

- 42. The PalmPilot was an important step between the PC and what?

- 43. What is the name of the simplified alphabet used to enter text into the PalmPilot?

Stop 28: Mobile Computing: Behemoth

- 44. What does Behemoth stand for?

- 45. How was Behemoth powered?

Stop 29: Networking & the Web: Google Server Engine

- 46. Name one of the early keyword search engines?

- 47. Name one of two Google founders?

Stop 30: Networking & the Web: IMP

48. What is the name of the first general purpose computer network?

49. What was the first killer app for the Internet?

Stop 31: Networking & the Web: Minitel

50. What was the name of the largest online system before the World Wide Web?

Bonus: (Two points each) Create up to 5 **NEW** questions with answers.

51. Stop: _____

Question: _____

Answer: _____

52. Stop: _____

Question: _____

Answer: _____

53. Stop: _____

Question: _____

Answer: _____

54. Stop: _____

Question: _____

Answer: _____

55. Stop: _____

Question: _____

Answer: _____